

CLAIMS

1. A juicer for extracting juice from a fruit, comprising:
a juicing element having an axis; and
5 a pivot operatively associated with and radially spaced from the juicing element axis, such that the juicing element axis is rotatable about the pivot.
2. The juicer according to claim 1, including a juicing element dish, wherein the juicing element projects above the dish.
- 10 3. The juicer according to claim 2, the pivot is situated beneath the dish.
4. The juicer according to claim 3, wherein the pivot comprises at least one suction cup.
- 15 5. The juicer according to claim 3, wherein the dish comprises a lower surface and the pivot is removably connected to the lower surface.
6. The juicer according to claim 5, including one or more gliders projecting from the lower surface.
- 20 7. The juicer according to claim 6, wherein the one or more gliders comprise at least one wheel.
8. The juicer according to claim 6, wherein the one or more gliders are removably
25 connected to the lower surface.
9. The juicer according to claim 1, wherein the juicing element comprises a conical surface.
- 30 10. The juicer according to claim 9, wherein the conical surface is curved in a plane including the axis of the juicing element, the curvature forming an apex.

11. The juicer according to claim 10, wherein the conical surface comprises one or more elongate ridges formed on the conical surface.

12. The juicer according to claim 11, wherein the one or more elongate ridges have a direction substantially toward the apex along the conical surface.

13. The juicer according to claim 2, wherein the juicing element is removably attached to the dish.

14. The juicer according to claim 13, including one or more clips that stabilize the juicing element on the dish.

15. The juicer according to claim 13, including one or more curbs projecting from the dish that stabilize the juicing element on the dish.

16. The juicer according to claim 2, and including a receptacle situated beneath the dish, the receptacle having at least one upper surface, at least a portion of which is associated with receiving juice and at least one lower surface, the pivot projecting below said lower surface.

17. The juicer according to claim 16, wherein the pivot is removably connected to the lower surface.

18. The juicer according to claim 17, wherein the pivot comprises at least one suction cup.

19. The juicer according to claim 16, wherein the receptacle is removably attached to the dish.

20. The juicer according to claim 16, including one or more gliders that are connected to the lower surface.

21. The juicer according to claim 19, wherein the dish is formed with one or more perforations, such that extracted juice flows through the one or more perforations onto the receptacle.

22. The juicer according to claim 21, wherein the one or more perforations are adapted to at least partially strain the juice as the juice passes through the one or more perforations to the receptacle.

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23. The juicer according to claim 22, wherein an edge portion of the dish is formed with an aperture, such that juice can be poured from the receptacle without removal of the receptacle from the dish.

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24. The juicer according to claim 23, wherein the aperture is located in a corner of the dish so the corner acts as a sluice to direct the collected juice toward the aperture as the juicer is tilted and juice is poured out.

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25. The juicer according to claim 1, including a receptacle comprising a surface having a boundary and an edge projecting in an upward direction from the boundary;
wherein the pivot comprises a pivot post rotatably connected to the surface; and
the juicing element projects from the post so that its axis is spaced a distance from the pivot post.

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26. The juicer according to claim 25, wherein the juicing element rotates around the pivot post substantially within an area defined by the edge.

27. The juicer according to claim 25, wherein the juicing element is freely connected to the pivot post, such that it is capable of spinning on its axis.

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28. The juicer according to claim 27, wherein:
the receptacle comprises one or more orbit gear teeth on its inside surface; and
the juicing element comprises one or more perimeter gear teeth on its outer surface adapted to interface with the one or more orbit gear teeth.

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29. The juicer according to claim 25, wherein the juicing element comprises at least one cone curved in a plane including the axis of the juicing element.

30. The juicer according to claim 29, wherein the at least one cone comprises one or more elongate ridges.

31. The juicer according to claim 30, wherein the one or more elongate ridges have a direction substantially toward the apex.

32. The juicer according to claim 25, and including a dish that projects radially outward from a lower portion of the juicing element.

33. The juicer according to claim 32, wherein the dish includes one or more perforations, such that extracted juice flows through the one or more perforations into the receptacle.

34. The juicer according to claim 33, wherein the one or more perforations are adapted to at least partially strain the juice as the juice passes through the one or more perforations to the receptacle.

35. The juicer according to claim 32, wherein the juicing element is removably attached to the dish.

36. The juicer according to claim 32, wherein at least a portion of the dish rests on at least a portion of the edge.

37. The juicer according to claim 29, wherein the juicing element comprises at least two cones, a first cone having an apex pointing in a first direction and a second cone having an apex pointing in a second direction.

38. The juicer according to claim 37, wherein the pivot post comprises one or more clips that removably connect to the juicing element.

39. The juicer according to claim 37, wherein the pivot post comprises at least one ring that removably connects to the juicing element.

40. The juicer according to claim 37, wherein the at least two cones are rotatably connected to the pivot post, such that the at least two cones rotate around the rotatable connection in a substantially vertical plane.

5 41. The juicer according to claim 40, wherein the rotatable connection comprises an interlock for maintaining the apex of at least one cone substantially in the upright position.

42. The juicer according to claim 25, wherein an upper portion of the receptacle edge comprises a perimeter projecting substantially toward the pivot post.

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43. The juicer according to claim 42, wherein the perimeter comprises one or more slots for straining the juice.

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44. The juicer according to claim 43, wherein the perimeter is removably attached to the receptacle.

45. The juicer according to claim 44, wherein the pivot post is oblique to the surface and a portion of the pivot post contacts the perimeter.

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46. The juicer according to claim 45, including a friction surface along the perimeter and a reciprocally located friction portion along the post, such that the post spins as the its friction portion moves in relation to the friction surface of the perimeter.

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47. The juicer according to claim 45, including a gear projecting radially from the post and including a reciprocal ratchet along the perimeter, such that the pivot post spins as the gear is moved against the ratchet.

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48. The juicer according to claim 45, wherein the juicing element comprises at least one cone curved in a plane including the axis of the juicing element.

49. The juicer according to claim 48, wherein the at least one cone comprises one or more elongate ridges.

50. The juicer according to claim 49, wherein the one or more elongate ridges have a direction substantially toward the apex.

51. The juicer according to claim 45, wherein the juicing element axis post is substantially perpendicular to the surface.

52. The juicer according to claim 51, wherein the juicing element is connected by a moveable joint to an upper portion of the pivot post.

53. The juicer according to claim 52, wherein the upper portion comprises at least one ridge and the connection of the juicing element to the upper portion comprises at least one groove.

54. The juicer according to claim 53, wherein the at least one ridge and the at least one groove are curved around a common radius below the juicing element.